

Table I Formulation Examples 1-15

Constitution	Function	Components	Formulation Example 1	Formulation Example 2	Formulation Example 3	Formulation Example 4	Formulation Example 5	Formulation Example 6	Formulation Example 7	Formulation Example 8
Nucleus	Nucleus Granule	ETHISPHERES	72.07	76.60	76.70	74.12	78.25	78.95	74.32	78.25
Drug-Carrying Layer	Drug	Benzyl alcohol	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
	Coating Agent	HPMC 2910	3.79	3.68	3.62	3.79	3.68	3.62	3.79	3.68
	Plasticizer	PEG 6000	0.75	0.74	0.73	0.75	0.74	0.73	0.75	0.74
	Subtotal		4.66	4.54	4.47	4.66*	4.54	4.47	4.66	4.54
Sustained Release Skin Layer 1	Coating Agent	Glyceri monobehenate	7.50	7.50	7.50					
		Glycerol monopalmitate								
		Glyceryl trimystate								
		Cetyl alcohol								
		Stearic acid								
	Buttressing Agent	Talc	3.75	3.75	3.75					
	Subtotal		11.25	11.25	11.25					
Sustained Release Skin Layer 2	Coating Agent	Eudragit NE30D <sup>i</sup>	6.00		6.00					
		Cellulose acetate		6.50		6.50		6.00		6.50
		Ethyl cellulose			6.00			6.00		
		Talc	6.00	1.30	1.20	6.00	1.30	1.20	6.00	1.30
		Triethyl citrate		0.39	0.36		0.39	0.36		0.39
		Polyisobutene SC	0.02	0.02	0.02		0.02	0.02	0.02	0.02
	Dispersant		12.02	8.21	7.58	12.02	8.21	7.58	12.02	8.21
	Subtotal									
Other	Fabricant	Talc	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	Total		100.50	100.50	100.50	100.50	100.50	100.50	100.50	100.50

<sup>i</sup> "Eudragit NE30D" is a trademark, whose chemical name is polyethylacrylate, methylmethacrylate) and which has a molecular weight of 800,000.

Table 1 (continued)

Constitution	Function	Components	Formulation Example 9	Formulation Example 10	Formulation Example 11	Formulation Example 12	Formulation Example 13	Formulation Example 14	Formulation Example 15
Nucleus	Nucleus Granule	ETHI SPHERES	78.95	71.32	75.25	75.95	72.82	76.75	77.45
Drug		Beraprost sodium	0.12	0.12	0.12	0.12	0.12	0.12	0.12
Drug-Carrying Coating Agent Layer	Coating Agent Plasticizer	HPMC 3910 PEG 6000	3.62 0.73	3.79 0.75	3.68 0.74	3.62 0.73	3.79 0.75	3.68 0.74	3.62 0.73
	Subtotal		4.47	4.66	4.54	4.47	4.66	4.54	4.47
Sustained Release Skin Layer 1	Coating Agent	Glyceryl monopalmitate Glyceryl trityristate Cetyl alcohol Stearic acid	6.00	8.00	8.00	8.00	8.00	7.00	7.00
	Brittleness Agent	Talc	3.00	4.00	4.00	4.00	4.00	3.50	3.50
	Subtotal		9.00	12.00	12.00	12.00	12.00	10.50	10.50
Sustained Release Skin Layer 2	Coating Agent	Eudragit NE30D <sup>1</sup> Cellulose acetate Ethyl cellulose Talc Triethyl citrate Polysorbate 80	6.00	6.00	6.00	6.00	6.00	6.50	6.50
	Brittleness Agent Plasticizer Dispersant		1.20	6.00	1.30	1.20	6.00	1.30	6.00
	Subtotal		0.36	0.02	0.39	0.36	0.02	0.39	1.20
Other	Lubricant	Talc	7.58	12.02	8.21	7.58	12.02	8.21	7.58
	Total		6.50	6.50	6.50	6.50	6.50	6.50	6.50
			100.50	100.50	100.50	100.50	100.50	100.50	100.50

<sup>1</sup> "Eudragit NE30D" is a trademark, whose chemical name is poly(ethylene methacrylate, methyl methacrylate) and which has a molecular weight of 800,000.

Unit mg/capsule